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Substitute for form 1449A/PTO

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(use as many sheets as necessary)

Sheet

1

of

4

1

Complete if Known**Application Number**

10/656.894

Filing Date

September 8, 2003

First Named Inventor**WHITT, Michael A.**

Group Art Unit

Not yet known.

Examiner Name

~~Not yet known~~

Attorney Docket Number

P-3558-US

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

10/20/04

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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08A (10-96)

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/656,894		
		Filing Date	September 8, 2003		
		First Named Inventor	WHITT, Michael A.		
		Group Art Unit	Not yet known		
		Examiner Name	Not yet known		
Sheet	2	of	4	Attorney Docket Number	P-3558-US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (where appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
MM	M	Rose et al, Rhabdoviridae: The viruses and their replication, in Fields Virology, Chapter 8, 4 th edition, pp. 1221-1244, 2001	<input type="checkbox"/>
	N	Whitt M.A., "Genetic Manipulation of Rhabdoviruses: New Insights to Virus Replication, Transcription and Assembly" (1998) The Journal of Microbiology 36: 1-8,	<input type="checkbox"/>
	O	Mar et al "A conserved CATTCT motif is required for skeletal muscle-specific activity of the cardiac troponin T gene promoter" (1988) Proc. Natl. Acad. Sci. USA 85:6404	<input type="checkbox"/>
	P	Mader, S. et al "A steroid-inducible promoter for the controlled overexpression of cloned genes in eukaryotic cells" (1993) Proc. Natl. Acad. Sci. USA 90:5603-5607	<input type="checkbox"/>
	Q	Spencer, D.M. et al (1993), Science 262:1019-102, American Association for the advancement of Science.	<input type="checkbox"/>
	R	Manome, Y. et al. "Coinduction of c-jun Gene Expression and Internucleosomal DNA Fragmentation by Ionizing Radiation"(1993) Biochemistry 32:10607-10613, American Chemistry Society	<input type="checkbox"/>
	S	Datta, R. et al. "Ionizing radiation activates transcription of the EGR1 gene via CarG elements" (1992) Proc. Natl. Acad. Sci. USA Volume 89:10140-10153, Biochemistry	<input type="checkbox"/>
	T	Fuerst T. R. et al "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase" (1986) Proc. Natl. Acad. Sci. USA 3. 8122-26, Biochemistry	<input type="checkbox"/>
	U	Usdin et al "SP6 RNA Polymerase Containing Vaccinia Virus for Rapid Expression of Cloned Genes in Tissue Culture" (1993) BioTechniques Volume 14:222-224	<input type="checkbox"/>
	V	Rodriguez et al Regulated Expression of Nuclear Genes by T3 RNA Polymerase and lac Repressor, Using Recombinant Vaccinia Virus Vectors" (1990) J. Virol. 64: 4851:4857, American Society for Microbiology	<input type="checkbox"/>
	W	Buskin Jean N. et al "Identification of a Myocyte Nuclear Factor That Binds to the Muscle-Specific Enhancer of the Mouse Muscle Creatine Kinase Gene" Molecular and Cellular Biology, 1989, P. 2627-2640	<input type="checkbox"/>
MM	X	Baltimore David et al "Ribonucleic Acid Synthesis of Vesicular Stomatitis Virus, II. An RNA Polymerase in the Virion" Proceedings of the National Academy of Sciences, Vol. 66, No. 2, pp. 572-576, June 1970	

Examiner Signature	M Tharich	Date Considered	10/20/06
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mm	Y	Chu, Te-Hua Tearina et al., "Toward Highly Efficient Cell-Type Specific Gene Transfer with Retroviral Vectors Displaying Single-Chain Antibodies", Journal of Virology, Vol. 71, No. 1, pp. 720-725, Jan 1997.	<input type="checkbox"/>
	Z	Dolter, Karen E. et al., Incorporation of CD4 into Virions by a Recombinant Herpes Simplex Virus. Journal of Virology, Vol. 67, No. 1, pp. 189-195, January 1993.	<input type="checkbox"/>
	AA	Fuerst, Thomas R. et al., Use of a Hybrid Vaccinia Virus-T7 RNA Polymerase System for Expression of Target Genes, Molecular and Cellular Biology, Vol. 7, No.7, pp. 2538-2544, July 1987.	<input type="checkbox"/>
	AB	Galmiche, Marie C. et al., Expression of a functional single chain antibody on the surface of extracellular enveloped vaccinia virus as a step towards selective tumor cell targeting, Journal of General Virology. Vol. 78, pp. 3019-3027, November 1997.	<input type="checkbox"/>
	AC	Johnson, J. Erik et al., Specific Targeting to CD4+ Cells of Recombinant Vesicular Stomatitis Viruses Encoding Human Immunodeficiency Virus Envelope Proteins. Journal of Virology. Vol. 71, No. 7, pp. 5060-5068, July 1997.	<input type="checkbox"/>
	AD	Lamb, Robert A., MINIREVIEW: Paramyxovirus Fusion: A Hypothesis for Changes. Virology. Vol. 197, pp. 1-11, 1993	<input type="checkbox"/>
	AE	Marin, Mariana et al., Targeted Infection of Human Cells via Major Histocompatibility Complex Class I Molecules by Moloney Murine Leukemia Virus-Derived Viruses Displaying Single-Chain Antibody Fragment-Envelope Fusion Proteins. Journal of Virology. Vol. 70, No. 5, pp. 2957-2962, May 1996	<input type="checkbox"/>
	AF	Mebatsion, Teshome et al., Budding of Rabies Virus Particles in the Absence of the Spike Glycoprotein Cell. Vol. 84, pp. 941-951, March 22, 1996.	<input type="checkbox"/>
	AG	Mebatsion, Teshome et al., A CXCR4/CD4 Pseudotype Rhabdovirus That Selectively Infects HTV-I Envelope Protein-Expressing Cells, Cell, Vol. 90, pp 841-847, September 5, 1997.	<input type="checkbox"/>
	AH	Mebatsion, Teshome et al., Specific infection of CD4+ target cells by recombinant rabies virus pseudotypes carrying the HTV-1 envelope spike protein. Proc. Natl. Acad. Sci., USA. Vol. 93, pp. 11366-11370, October 1996	<input type="checkbox"/>
mm	AI	Nolan, Garry P., Harnessing Viral Devices as Pharmaceuticals: Fighting HTV-I's Fire with Fire, Cell, Vol. 90, pp. 821-824, September 5, 1997	<input type="checkbox"/>

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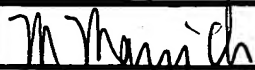
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		Filing Date	September 8, 2003
		First Named Inventor	WHITT, Michael A.
		Group Art Unit	Not yet known
		Examiner Name	Not yet known
Sheet 4 of 4	Attorney Docket Number	P-3558-US	

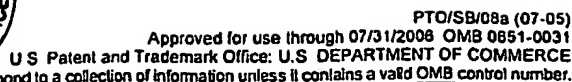
NON PATENT LITERATURE DOCUMENTS			
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MM	AJ	Pattnaik, Asit K. et al., Cells that express all five proteins of vesicular stomatitis virus from cloned cDNAs support replication, assembly, and budding of defective interfering particles. Proc. Natl. Acad. Sci. USA. Vol. 88, pp. 1379-1383, February 1991	
	AK	Pattnaik, Asit K. et al., Infectious Defective Interfering Particles of VSV from Transcripts of a cDNA Clone, Cell, Vol. 69, pp. 1011-1020, June 12, 1992	
	AL	Pattnaik, Asit K. et al., Replication and Amplification of Defective Interfering Particle RNAs of Vesicular Stomatitis Virus in Cells Expressing Viral Proteins from Vectors Containing Cloned cDNAs. Journal of Virology, Vol. 64, No. 6, pp. 2948-2957, June 1990.	
	AM	Schnell, Matthias J. et al., Foreign glycoproteins expressed from recombinant vesicular stomatitis viruses are incorporated efficiently into virus particles. Proc. Natl. Acad. Sci. USA. Vol. 93, pp. 11359-11365, October 1996	
	AN	Schnell, Matthias J. et al., Infectious rabies viruses from cloned cDNA. The EMBO Journal. Vol. 13, No. 18, pp. 4195-4203, 1994	
	AO	Schnell, Matthias J. et al., Construction of a Novel Virus That Targets HTV-1-Infected Cells and Controls HTV-1 Infection, Cell, Vol. 90, pp. 849-857, September 5, 1997	
	AP	Stillman, Elizabeth A. et al., Replication and Amplification of Novel Vesicular Stomatitis Virus Minigenomes Encoding Viral Structural Proteins, Journal of Virology, Vol. 69, No. 5, pp. 2946-2953, May 1995.	
	AQ	Takada, Ayato et al., A system for functional analysis of Ebola virus glycoprotein: Proc. Natl Acad. Sci. USA, Vol. 94, pp. 14764-14769, December 1997	
	AR	Wertz, Gail W. et al., Extent of terminal complementarity modulates the balance between transcription and replication of vesicular stomatitis virus RNA, Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 8587-8591, August 1994	
	AS	Whelan, Sean P.J. et al., Efficient recovery of infectious vesicular stomatitis virus entirely from cDNA clones, Proc. Natl. Acad. Sci. USA, Vol. 92, pp. 8388-8392, August 1995	
MM	AT	Young, John A. T. et al., Efficient Incorporation of Human CD4 Protein into Avian Leukosis Virus Particles, Science. Vol. 250, pp. 1421-1423, December 7, 1990	

Examiner Signature		Date Considered	10/20/06
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Substitute for form 1449A/PTO

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Application Number	10/656,894
Filing Date	September 8, 2003
First Named Inventor	WHITT, Michael A.
Art Unit	1642, 1633
Examiner Name	Not Yet Known
Attorney Docket Number	P-3558-US

Sheet	1	of	4
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
MM	A	6,033,886	03-07-2000	CONZELMANN	
	B	5,547,932	08-20-1996	Curiel et al	
	C	5,677,178	10-14-1997	McConnick et al	
	D	5,622,856	04-22-1997	Natsoulis et al	
	E	5,646,034	July 8, 1997	Mamounas et al	
	F	5,693,509	12-02-1997	Cotton et al	
	G	5,589,377	12-31-1996	Lebkowski et al	
	H	5,616,487	04-01-1991	Palsson et al	
	I	5,63,756	07-01-1997	Kayman et al	
	J	5,654,195	08-05-1997	Sodroski et al	
	K	5,512,421	04-30-1996	Burns et al	
	L	5,670,354	09-23-1997	Burns et al	
MM	M	5,585,264	12-17-1996	Maxwell et al	
		US-			
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FOREIGN PATENT DOCUMENTS

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Date Considered

10/26/06

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		First Named Inventor	WHITT, Michael A.		
		Art Unit	1642		
(use as many sheets as necessary)		Examiner Name	Not Yet Known		
Sheet	2	of	4	Attorney Docket Number	P-3558-US

NON PATENT LITERATURE DOCUMENTS			
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MM	N	GAUDIN, et al (1999) "Mutations in the glycoprotein of viral hemorrhagic septicaemia virus that affect virulence for fish and the pH threshold for membrane fusion. Journal of General Virology, vol. 80, 1221-1229	<input type="checkbox"/>
MM	O	SCHNELL, et al (1998) "Requirement for a non-specific glycoprotein cytoplasmic domain sequence to drive efficient budding of vesicular stomatitis virus. EMBO Journal, vol. 17, no. 5, 1289-1296.	<input type="checkbox"/>
	P	ROSE et al, Rhabdoviridae: The viruses and their replication, in Fields Virology, Chapter 8, 4 th edition, pp. 1221-1244, 2001	<input type="checkbox"/>
	Q	WHITT M A, "Genetic Manipulation of Rhabdoviruses: New Insights to Virus Replication, Transcription and Assembly" (1998) The Journal of Microbiology 36. 1-8.	<input type="checkbox"/>
	R	MAR et al "A conserved CATTCT motif is required for skeletal muscle-specific activity of the cardiac troponin T gene promoter" (1988) Proc Natl Acad Sci USA 85:6404	<input type="checkbox"/>
	S	MADER, S. et al "A steroid inducible promoter for the controlled overexpression of cloned genes in eukaryotic cells" (1993) Proc. Natl. Acad. Sci USA 90:5603-5607	<input type="checkbox"/>
	T	SPENCER, D M et al (1993), Science 262:1019-102, American Association for the advancement of Science.	<input type="checkbox"/>
	U	MANOME, Y et al. "Coinduction of c-jun Gene Expression and Internucleosomal DNA Fragmentation by Ionizing Radiation"(1993) Biochemistry 32:10607-10613, American Chemistry Society	<input type="checkbox"/>
	V	DATTA, R et al "Ionizing radiation activates transcription of the EGR1 gene via CarG elements" (1992) Proc. Natl Acad. Sci. USA Volume 89:10140-10153, Biochemistry	<input type="checkbox"/>
	W	FUERST T, R et al "Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase" (1986) Proc. Natl. Acad. Sci. USA 3. 8122-26, Biochemistry	<input type="checkbox"/>
	X	USPIN et al "SP6 RNA Polymerase Containing Vaccinia Virus for Rapid Expression of Cloned Genes in Tissue Culture" (1993) BioTechnique Volume 14:222-224	<input type="checkbox"/>

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	Y	BUSKIN Jean N. et al "Identification of a Myocyte Nuclear Factor That Binds to the Muscle-Specific Enhancer of the Mouse Muscle Creatine Kinase Gene" Molecular and Cellular Biology, 1989, P. 2627-2640	<input type="checkbox"/>
	Z	NOLAN, Garry P., Harnessing Viral Devices as Pharmaceuticals: Fighting HTV-1's Fire with Fire, Cell, Vol. 90, pp. 821-824, September 5, 1997	<input type="checkbox"/>
	AA	DOLTER, Karen E et al, Incorporation of CD4 into Virions by a Recombinant Herpes Simplex Virus Journal of Virology, Vol 67, No 1, pp 189-195, January 1993.	<input type="checkbox"/>
	BB	FUERST, Thomas R. et al., Use of a Hybrid Vaccinia Virus-T7 RNA Polymerase System for Expression of Target Genes, Molecular and Cellular Biology, Vol. 7, No.7, pp. 2538-2544, July 1987.	<input type="checkbox"/>
	CC	GALMICHE, Marie C et al., Expression of a functional single chain antibody on the surface of extracellular enveloped vaccinia virus as a step towards selective tumor cell targeting, Journal of General Virology Vol. 78, pp 3019-3027, November 1997.	<input type="checkbox"/>
	DD	JOHNSON, J Erik et al., Specific Targeting to CD4+ Cells of Recombinant Vesicular Stomatitis Viruses Encoding Human Immunodeficiency Virus Envelope Proteins. Journal of Virology, Vol. 71, No. 7, pp. 5060-5068, July 1997.	<input type="checkbox"/>
	EE	LAMB, Robert A, MINIREVIEW: Paramyxovirus Fusion: A Hypothesis for Changes Virology, Vol 197, pp. 1-11, 1993	<input type="checkbox"/>
	FF	MARIN, Mariana et al., Targeted Infection of Human Cells via Major Histocompatibility Complex Class I Molecules by Moloney Murine Leukemia Virus-Derived Viruses Displaying Single-Chain Antibody Fragment-Envelope Fusion Proteins. Journal of Virology, Vol. 70, No. 5, pp. 2957-2962, May 1996	<input type="checkbox"/>
	GG	MEBATION, Teshome et al., Budding of Rabies Virus Particles in the Absence of the Spike Glycoprotein Cell Vol. 84, pp 941-951, March 22, 1996.	<input type="checkbox"/>
		HH	RODRIGUEZ et al Regulated Expression of Nuclear Genes by T3 RNA Polymerase and lac Repressor, Using Recombinant Vaccinia Virus Vectors" (1990) J. Virol 64: 4851-4857, American Society for Microbiology
II		BALTIMORE David et al "Ribonucleic Acid Synthesis of Vesicular Stomatitis Virus, II An RNA Polymerase in the Virion" Proceedings of the National Academy of Sciences, Vol. 66, No. 2, pp. 572-576, June 1970	<input type="checkbox"/>
JJ		CHU, Te-Hua Tearina et al., "Toward Highly Efficient Cell-Type Specific Gene Transfer with Retroviral Vectors Displaying Single-Chain Antibodies", Journal of Virology, Vol. 71, No. 1, pp. 720-725, Jan 1997.	<input type="checkbox"/>

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Sheet	4	of	4	Attorney Docket Number	P-3558-US

NON PATENT LITERATURE DOCUMENTS			
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	KK	RATTNAIK, Asit K. et al., Cells that express all five proteins of vesicular stomatitis virus from cloned cDNAs support replication, assembly, and budding of defective interfering particles Proc. Natl. Acad. Sci. USA, Vol. 88, pp. 1379-1383, February 1991	<input type="checkbox"/>
	LL	PATTNAIK, Asit K. et al., Infectious Defective Interfering Particles of VSV from Transcripts of a cDNA Clone, Cell, Vol. 69, pp. 1011-1020, June 12, 1992	<input type="checkbox"/>
	MM	PATTNAIK, Asit K. et al., Replication and Amplification of Defective Interfering Particle RNAs of Vesicular Stomatitis Virus in Cells Expressing Viral Proteins from Vectors Containing Cloned cDNAs Journal of Virology, Vol. 64, No. 6, pp. 2948-2957, June 1990.	<input type="checkbox"/>
	NN	SCHNELL, Matthias J. et al., Foreign glycoproteins expressed from recombinant vesicular stomatitis viruses are incorporated efficiently into virus particles. Proc. Natl. Acad. Sci. USA, Vol. 93, pp. 11359-11365, October 1996	<input type="checkbox"/>
	OO	SCHNELL, Matthias J. et al., Infectious rabies viruses from cloned cDNA. The EMBO Journal Vol. 13, No. 18, pp. 4195-4203, 1994	<input type="checkbox"/>
	PP	SCHNELL, Matthias J. et al., Construction of a Novel Virus That Targets HTV-1-Infected Cells and Controls HTV-1 Infection, Cell, Vol. 90, pp. 849-857, September 5, 1997	<input type="checkbox"/>
	QQ	STILLMAN, Elizabeth A. et al., Replication and Amplification of Novel Vesicular Stomatitis Virus Minigenomes Encoding Viral Structural Proteins, Journal of Virology, Vol. 69, No. 5, pp. 2946-2953, May 1995	<input type="checkbox"/>
	RR	TAKADA, Ayato et al., A system for functional analysis of Ebola virus glycoprotein. Proc. Natl. Acad. Sci. USA, Vol. 94, pp. 14764-14769, December 1997	<input type="checkbox"/>
	SS	WERTZ, Gail W. et al., Extent of terminal complementarity modulates the balance between transcription and replication of vesicular stomatitis virus RNA, Proc. Natl. Acad. Sci. USA, Vol. 91, pp. 8587-8591, August 1994	<input type="checkbox"/>
	TT	WHELAN, Sean P. J. et al., Efficient recovery of infectious vesicular stomatitis virus entirely from cDNA clones, Proc. Natl. Acad. Sci. USA, Vol. 92, pp. 8388-8392, August 1995	<input type="checkbox"/>
	UU	YOUNG, John A. T. et al., Efficient Incorporation of Human CD4 Protein into Avian Leukosis Virus Particles, Science, Vol. 250, pp. 1421-1423, December 7, 1990	<input type="checkbox"/>
MM	VV	BLONDEL, et al Role of Matrix Protein In Cytopathogenesis of Vesicular Stomatitis Virus Journal of Virology vol. 64 no. 4 1716-1725 1990	<input type="checkbox"/>

Examiner Signature	<i>M. Marinich</i>	Date Considered	10/20/06
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